



TMAPS

High Accuracy Land INS / GPS System





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GENERAL

IAI's TAMAM division, specializes in the development and manufacturing of inertial sensors and Inertial Navigation systems. TAMAM is one of the world's leading inertial design and manufacturing centers. TAMAM is also considered a national center of excellence in its field. Building on its heritage, TAMAM provides its customers with the most accurate, up-to-date and cost effective inertial based PNT solutions.

TMAPS INS product line is a self contained hybrid land navigation system (INS/GPS) which performs self alignment and survey. TMAPS has a proven operational record, with thousands of systems fielded on platforms worldwide including tanks, towed and self-propelled weapons, missile launchers, IFVs and high mobile radars.

HIGHLIGHTS

- Self contained INS/GPS land navigation system
- Performs self alignment and survey
- Based on IAI's inertial sensors (RLG and Accelerometers)
- Full operation in GPS-denied conditions
- Several accuracy grades
- Same shape and interfaces for entire product line
- ITAR free

PARAMETERS

Heading	5 mils (0.3°) to 0.5 mils (0.03°)
Horizontal position	1.6% DT to 0.25% DT
Pitch & Roll	1 mRad to 0.5 mRad

CHARACTERISTICS

Weight	8.6 kg
Dimensions	300mm (L) x 147mm (W) x 158mm (H)
Power per MIL-STD-1275	40 w
Interfaces	Fast Ethernet, RS-422/RS-232 Serial
Environmental conditions	MIL-STD-810F and MIL-STD-461E

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